

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation/Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board  
Office of Local Assistance  
1801 I Street, 9th Floor  
PO Box 4625  
Sacramento, CA 95812-4625

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The cells on these sheets are protected except for the ones that need information. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
City of Colton		San Bernardino	
Authorized Signature		Title Assistant City Manager	
Typed Name of Person Signing		Date	Phone ( )
Carol J. Parnish		1/28/2001	909-370-6071
Person Completing This Form (please print or type)		Title Partner	
John D. Melones			
Affiliation Integrated Recycling, Inc			
Mailing Address		City	State ZIP Code
624 Anacapa Street, Suite 20		Santa Barbara	CA 93101
E-mail address 2223@icr.com			

**Section II: Information for New Generation-Based Study for Existing or New Base Year**

**Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).**

*Note: New base years must be representative of a jurisdiction's disposal and diversion.*

1. Current Board-approved base-year:	2. Proposed new generation-based study year:
1990	1999

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

See attached report entitled "Generation Based Study for the City of Colton."

**4. Enter your diversion rates below.**

Diversion rate calculated using existing base year	a. <del>21</del> <sup>5/2/01</sup> <del>24</del> %	Diversion rate calculated using new generation-based study	b. <del>54</del> <sup>5/2/01</sup> <del>58</del> %
For existing base year pounds/person/day based on generation	7	For new generation based study pounds/person/day based on generation	12
Residential generation 82 %	Non-Residential Generation 18 %	Residential generation 37 %	Non-Residential generation 63 %
Population existing generation-based study 40,273	Population new generation-based study 46,800		

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

The new diversion rate accurately reflects all ongoing diversion activities occurring in the City including the successful implementation of all programs contained in the City SRRE, an asphalt recycling program initiated and maintained by the City Public Works Department, and source reduction activities that were identified as part of the recently completed generation-based study. The original base year did not accurately reflect these diversion activities and is inconsistent with current diversion implementation efforts.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The previous base year contained significant errors related to waste diversion. Specifically, only 5,193 tons of waste were reported as being diverted. As demonstrated in Section 5 above and the attached Generation-Based Study - Section III, significantly more waste diversion is occurring on an ongoing basis. The previous base year also contained errors related to waste disposal. As discussed in the attached Generation-Based Study - Section II, two large regional waste processing facilities are located in the City. All of the residual waste generated by these facilities has been attributed to the City even though the facilities collect the waste from numerous jurisdictions throughout San Bernardino County. Finally, a waste hauling company who is not operating in the City inaccurately assigned more than 1000 tons to the City.

**7. Disposal Tonnage: (enter values)**

Residential	17786	Non-Residential	30678	Total	48464
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Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwmmb.ca.gov/igcentral/forms/rytrmdrq.doc>)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwmmb.ca.gov/igcentral/forms/rytrmdrq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

\* Please provide detailed non-Residential waste audit information in Section 9.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmmb.ca.gov/igcentral/parts/codes/reduce.htm">http://www.ciwmmb.ca.gov/igcentral/parts/codes/reduce.htm</a>					
(A)	(A)	(A)			
<b>Residential Activities:</b>					
<b>Source Reduction</b>					
Backyard composting	0	0.0%			
Grasscycling	0	0.0%			
<b>Other Residential source reduction (list each program separately)</b>					
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Subtotal Residential Source Reduction	0	0.0%			
<b>Recycling</b>					
Curbside Recycling			Commingled Recyclables (glass, plastic, paper, aluminum, tin)		Weight tickets: Cotton Disposal, Inc.
	3155	3.0%			
Buyback centers			Cardboard, ONP, high grade paper, glass, aluminum, tin		Weight tickets: Tomra and AMKO recycling centers
	6999	6.7%			
Drop-off centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (list multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at <a href="http://www.ciwrmb.ca.gov/igcentral/pairs/cores/reduce.htm">http://www.ciwrmb.ca.gov/igcentral/pairs/cores/reduce.htm</a>					
<b>Other Residential recycling</b> <input type="checkbox"/> (list each program separately)					
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
<b>Subtotal Residential Recycling</b>	<b>10154</b>	<b>9.6%</b>			
<b>Composting</b>					
Green waste drop-off	0	0.0%			
Curbside green waste	5129	4.9%	Clean green waste		Weight tickets: Cotton Disposal
Christmas Tree program	0	0.0%			
<b>Other Residential composting (list each program separately)</b>					
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
<b>Subtotal Residential Composting</b>	<b>5129</b>	<b>4.9%</b>			
<b>Subtotal Residential Diversion</b>	<b>15283</b>	<b>14.5%</b>			
<b>Non-Residential Activities:</b>					
<b>Source Reduction</b> <b>1385 giv</b>					
<b>Non-Residential Waste Audits*</b>	<b>1665</b>	<b>1.5%</b>		See Section 9	
<b>Other non-Residential source reduction (list each program separately)</b>					
Enter Program name	0	0.0%			
Enter Program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
<b>Subtotal Non-Residential Source Reduction</b>	<b>1665</b>	<b>1.5%</b>			

1385 giv

Diversion Activity	Actual Tons	Relative Percent to Total Generation	Specific material type(s) (List multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.cwmmb.ca.gov/central/parts/codes/reduce.htm">http://www.cwmmb.ca.gov/central/parts/codes/reduce.htm</a>	(A)	(A/Total Generation)			

### Recycling

Non-Residential Waste Audits

4574

4.3%

See Section 9

Other non-Residential recycling (list each program separately)

Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Enter program name	0	0.0%			
Subtotal Non-Residential Recycling	4574	4.3%			

### Composting

Non-Residential Waste Audits

715

0.7%

See Section 9

Other non-Residential composting (list each program separately)

Commercial Self-Haul Greenwaste (Inland Empire 580 Off)	7800	7.4%	Clean green waste		Weight tickets: Inland Empire Composting
Commercial On-site Greenwaste (Colton Disposal Collection)	562	0.5%	Clean green waste		Weight tickets: Colton Disposal

Subtotal Non-Residential Composting

9077

8.6%

Subtotal Non-Residential Diversion

14,965

14.5%

Residential/Non-Residential Diversion Activities

ADC

0

0.0%

Sludge

0

0.0%

Scrap metal

0

0.0%

Construction and demolition

26244

24.9%

Landfill salvage

0

0.0%

asphalt

364,361 cubic feet x 144 pounds per cubic foot

Paving contract specifications: City of Colton Public Works Department

Subtotal Residential/Non-Residential diversion

26244

24.9%

Total Diversion Tons

56,463

53.9%

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at <a href="http://www.cwmrb.ca.gov/central/parts/icode/reduce.htm">http://www.cwmrb.ca.gov/central/parts/icode/reduce.htm</a>	(A)	(A/Total Generation)			
Total Disposal Tons from Sec. 7	48464	46.1%			
Total Generation Tons (Div+Dis)	104,937 <del>106,227</del> Div				

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type. Include copies of survey form(s) used.

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Diversion Tons/Total Generation in Section 8)	Survey Method Mail (M) On-site (O) Other
City	N/A	asphalt recycling, grasscycling	868	26244		27112	25.8%	M, O
Landscaping Services	N/A	green waste, composting			520	520	0.5%	M, O
Textiles	N/A	linens processed and reused	<del>400</del> 100	30		400 100	1.3% 0.4%	M, O
Golf Club	N/A	grasscycling	381			381	0.4%	M, O
City Parks	N/A	grasscycling	221			221	0.2%	M, O
Schools	N/A	grasscycling	206			206	0.2%	M, O
Landscaping Services	N/A	green waste, composting			130	130	0.1%	M, O
Medical Center	N/A	source separated recyclables		104		104	0.1%	M, O
Landscaper	N/A	packaging materials reused (7), sand/acid mix reused in another business operation (53)	60			60	0.1%	M, O
Carpet Warehouse	N/A	carpet reuse	26			26	0.0%	M, O
<b>Totals</b>			<del>2407</del> 1862	<b>26348</b>	<b>650</b>	<del>29460</del> 28860 20	<b>27.7%</b>	<b>M, O</b>

Summarize the non-residential diversion activities quantification methodology and applicable conversion factors.

Asphalt recycling: 144 pounds/cubic foot of asphalt; paving contract specifications. Tonnage provided by contractor.

Linens processed & reused: Based on weight tickets (jurisdiction varies 4 weeks of source reduction, staff recommend single (1) reuse of source reduction).

Grasscycling: 7.623 tons/acre for grasscycling; interviewed contact person to determine acreage.

Source separated recyclables: Based on weight tickets.

Packaging Reuse: Paper weights from US EPA standard volume to weight conversion factors. Amount of packaging was estimated through interview of contact.

Sand reuse: 130 pounds/cubic foot (industry standard); quantity estimated by business.

Carpet reuse: Based on average weekly weights, provided by company.

Green waste (composting): Based on weight tickets.





10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids	City of Colton Paving Overlay Program (Asphalt Rec)	1993	26244
Inert Solids	Landscaping - sand reuse	1996	53
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information. \_\_\_\_\_ (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].

- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]).

- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				

Generation Based Study  
For the City of Colton  
Attachment 9

TABLE 2 CITY OF COLTON WASTE DIVERSION FROM RECYCLING (TONS)							
WASTE TYPE	Source Separated Recyclables	Commingled Recyclables	Yard and Green Waste	Wood	Scrap Metals	Concrete, Asphalt, & Dirt	
franchised hauler	1,611 ✓	5,911 ✓	✓ 5,691 (Comm + Res.)	0	0	0*	13,213
compost facility	0	0	7,800	0	0	0	7,800
Doc buyback ctr.	0	0	0	0	0	0	0
Doc buyback ctr.	99	0	0	0	0	0	99
(buy-back center)	6,900	0	0	0	0	0	6,900
(groves sch. dist.)	0	103	0	0	0	0	103
City	0	0	0	0	0	26,244	26,244
Landscaping	0	0	130	0	0	0	130
Tree Service	0	0	520	0	0	0	520
andscaping	0	0	65	0	0	0	65
Medical Center	104	0	0	0	0	0	104
Totals	8,714	6,014	14,206	0	0	26,244	55,178

\* Note: Colton Disposal diverted 953 tons of concrete. Since Colton Disposal became the exclusive waste hauler for the City in the mid 1990s, it could not be demonstrated that, prior to January 1, 1990, the material was disposed of at a permitted disposal facility. Therefore, the 953 tons were not counted as part of this study.

Generation Based Study  
For the City of Colton

Attachment 9

TABLE 3 CITY OF COLTON 1999 DEVERSION FROM SOURCE REDUCTION (TONS)		TONS
BUSINESS	SOURCE REDUCTION (TONS)	TONS
Carpet warehouse	Old carpet is reused in another businesses operation	26
Textiles	Linens processed and reused	400 100
garden center	1) Packaging materials reused 2) Sand/acid mix reused in another business operation	7 53 20
office	Office paper reused in another business operation	206
Unified Schools	27 acres of grasscycling (7.623 tons per acre)	381
Golf Club	50 acres of grasscycling (7.623 tons per acre)	221
City Parks	29 acres of grasscycling (7.623 tons per acre)	152
City district Areas	20 acres of grasscycling (7.623 tons per acre)	114
Cemetery	15 acres of grasscycling (7.623 tons per acre)	5
Top Businesses	Paper, e-mail, shipping, packaging, toner cartridges, typewriter ribbons, etc	1285 1586
Totals		